

Resolver Cuadráticas (F)

Resuelva cada ecuación en función de x.

1. $32x^2 - 8x - 8 = 16$

7. $18x^2 - 51x + 16 = -5$

2. $2x^2 - 17x + 31 = -5$

8. $7x^2 + 2x - 1 = 4$

3. $36x^2 + 33x - 13 = 2$

9. $24x^2 + 85x + 29 = -27$

4. $x^2 - 11x + 14 = -16$

10. $25x^2 - 90x + 74 = -7$

5. $72x^2 + 3x - 4 = 5$

11. $40x^2 - 84x + 11 = -21$

6. $9x^2 + 76x + 20 = -12$

12. $48x^2 - 88x + 3 = -37$

Resolver Cuadráticas (F) Respuestas

Resuelva cada ecuación en función de x.

1. $32x^2 - 8x - 8 = 16$
 $32x^2 - 8x - 24 = 0$
 $(4x - 4)(8x + 6) = 0$
 $x = 1, -3/4$

2. $2x^2 - 17x + 31 = -5$
 $2x^2 - 17x + 36 = 0$
 $(x - 4)(2x - 9) = 0$
 $x = 4, 4\frac{1}{2}$

3. $36x^2 + 33x - 13 = 2$
 $36x^2 + 33x - 15 = 0$
 $(9x - 3)(4x + 5) = 0$
 $x = 1/3, -1\frac{1}{4}$

4. $x^2 - 11x + 14 = -16$
 $x^2 - 11x + 30 = 0$
 $(x - 5)(x - 6) = 0$
 $x = 5, 6$

5. $72x^2 + 3x - 4 = 5$
 $72x^2 + 3x - 9 = 0$
 $(8x + 3)(9x - 3) = 0$
 $x = -3/8, 1/3$

6. $9x^2 + 76x + 20 = -12$
 $9x^2 + 76x + 32 = 0$
 $(x + 8)(9x + 4) = 0$
 $x = -8, -4/9$

7. $18x^2 - 51x + 16 = -5$
 $18x^2 - 51x + 21 = 0$
 $(3x - 7)(6x - 3) = 0$
 $x = 2\frac{1}{3}, 1/2$

8. $7x^2 + 2x - 1 = 4$
 $7x^2 + 2x - 5 = 0$
 $(7x - 5)(x + 1) = 0$
 $x = 5/7, -1$

9. $24x^2 + 85x + 29 = -27$
 $24x^2 + 85x + 56 = 0$
 $(3x + 8)(8x + 7) = 0$
 $x = -2\frac{2}{3}, -7/8$

10. $25x^2 - 90x + 74 = -7$
 $25x^2 - 90x + 81 = 0$
 $(5x - 9)(5x - 9) = 0$
 $x = 1\frac{4}{5}$

11. $40x^2 - 84x + 11 = -21$
 $40x^2 - 84x + 32 = 0$
 $(5x - 8)(8x - 4) = 0$
 $x = 1\frac{3}{5}, 1/2$

12. $48x^2 - 88x + 3 = -37$
 $48x^2 - 88x + 40 = 0$
 $(6x - 5)(8x - 8) = 0$
 $x = 5/6, 1$